

JK 4/11/05
Claims renumbered, 37 CFR 1.126

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Mechatronics Laboratory

312-413-7410

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CLAIMS

What is claimed is:

Claims 1-3(canceled)

⁴ Claim ~~1~~⁴ (new): A shoe consisting of an air-conditioning system used to keep the inside of the shoe at a comfortable temperature and free of odor.

⁵ Claim ~~2~~⁵ (new): An original mechanical air pump system located in the air-conditioning system claimed in Claim 1 used for exchanging bad odor and hot air from inside the shoe with fresh air from the outside.

⁶ Claim ~~3~~⁶ (new): A digital temperature control located in the air-conditioning system claimed in Claim 1 and used to regulate the temperature inside the shoe.

⁷ Claim ~~4~~⁷ (new): A valve system in the air-conditioning system claimed in Claim 1 which can convert the air-conditioning unit to a heat pump.

⁸ Claim ~~5~~⁸ (new): An original mechanical battery charger located in a shoe which converts mechanical energy received from the weight of a walking person to electrical energy.